Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	441	((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container	US-PGPUB; USPAT	OR	ON	2005/10/17 11:09
L2	21	1 and ((reconcil$ or bind$) near2 component)	US-PGPUB; USPAT	OR	ON	2005/10/17 11:07
L3	19	1 and ((reconcil$ or bind$) near2 (variable or field))	US-PGPUB; USPAT	OR	ON	2005/10/17 11:07
L4	36	1 and ((reconcil$ or bind$) near2 (variable or field or fieldname or value))	US-PGPUB; USPAT	OR	ON	2005/10/17 11:08
L5	72	1 and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/17 11:08
L6	40	1 and "719"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/17 11:09
L7	50	((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and (interactiv$ near3 (map or mapped or mapping))	US-PGPUB; USPAT	OR	ON	2005/10/17 11:09
L8	10	7 and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/17 11:09
L9	1	7 and "719"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/17 11:09
S1	1665	document near2 assembl$	US-PGPUB; USPAT	OR	ON	2004/02/07 10:40
S2	7555	document near2 generat$	US-PGPUB; USPAT	OR	ON	2004/02/07 10:40
S3	2128	document near2 construct$	US-PGPUB; USPAT	OR	ON	2004/02/07 10:40
S4	267	((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container	US-PGPUB; USPAT	OR	ON	2005/10/17 11:06
S5	18	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container) and ((reconcil$ or bind$) near2 component)	US-PGPUB; USPAT	OR	ON	2005/10/17 11:06

S6	13	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container) and ((reconcil$ or bind$) near2 (variable or field))	US-PGPUB; USPAT	OR	ON	2005/10/17 11:07
S7	9	((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and (component with container) and ((reconcil$ or bind$) near2 (variable or field or fieldname or value))	US-PGPUB; USPAT	OR	ON	2005/10/17 11:07
S8	5	"zhou cheng".in.	US-PGPUB; USPAT	OR	ON	2004/02/06 13:11
S9	116	"erickson charles".in.	US-PGPUB; USPAT	OR	ON	2004/02/06 13:15
S10	4	"erickson charles".in. and ((document near2 assembl$) (document near2 generat$) (document near2 construct$))	US-PGPUB; USPAT	OR	ON	2004/02/06 13:15
S11	112	((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and container and ((connect$ or reconcil$ or bind$) near2 component)	US-PGPUB; USPAT	OR	ON	2004/02/06 13:18

S12	84	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and container and ((connect$ or reconcil$ or bind$) near2 component)) not (((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container) and ((reconcil$ or bind$) near2 component)) ((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container) and ((reconcil$ or bind$) near2 (variable or field))) (((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and (component with container) and ((reconcil$ or bind$) near2 (variable or field or fieldname or value))) "zhou cheng".in. ("erickson charles".in. and ((document near2 assembl$) (document near2 generat$) (document near2 construct$))))	US-PGPUB; USPAT	OR	ON	2004/08/11 09:45
S13	1665	document near2 assembl$	US-PGPUB; USPAT	OR	ON	2004/02/07 10:40
S14	7555	document near2 generat$	US-PGPUB; USPAT	OR	ON	2004/02/07 10:40
S15	2128	document near2 construct$	US-PGPUB; USPAT	OR	ON	2004/02/07 10:41
S16	5	((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "domain concept"	US-PGPUB; USPAT	OR	ON	2004/02/07 10:41
S17	50	((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "domain model"	US-PGPUB; USPAT	OR	ON	2004/02/07 10:48
S18	2	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "domain model") and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2004/02/07 10:49
S19	1445	((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2004/02/07 10:50

S20	269	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.) and domain	US-PGPUB; USPAT	OR	ON	2004/02/07 12:29
S21	224	((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.) and domain) and component	US-PGPUB; USPAT	OR	ON	2004/02/07 10:51
S22	36	(((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.) and domain) and component) and container	US-PGPUB; USPAT	OR	ON	2004/02/07 11:50
S23	0	"6651108".URPN.	USPAT	OR	ON	2004/02/07 11:41
S24	335	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.) and template	US-PGPUB; USPAT	OR	ON	2004/02/07 11:51
S25	279	((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.) and template) and object	US-PGPUB; USPAT	OR	ON	2004/02/07 11:51
S26	52	(((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.) and template) and object) and container	US-PGPUB; USPAT	OR	ON	2004/02/07 11:51
S27	28	((((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.) and template) and object) and container) not ((((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.) and domain) and component) and container)	US-PGPUB; USPAT	OR	ON	2004/02/07 11:51
S28	3	"6209004".URPN.	USPAT	OR	ON	2004/02/07 12:20
S29	4	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and "715"/$.ccls.) and ((link$ near2 (field or variable)) with (document or container) with database)	US-PGPUB; USPAT	OR	ON	2004/02/07 12:32
S30	1	"6401197".pn.	US-PGPUB; USPAT	OR	ON	2004/02/07 12:41
S31	5	"867853".ap.	US-PGPUB; USPAT	OR	ON	2004/02/07 12:43

S32	1	"6263379".pn.	US-PGPUB; USPAT	OR	ON	2004/02/07 12:43
S33	4	("5842018" "6405225" "6651108" "6209004" "6263379").pn. and value	US-PGPUB; USPAT	OR	ON	2004/02/07 13:39
S34	96	(719/332).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 09:47
S35	621	(719/315).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/02/07 14:43
S36	645	(715/501.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/02/07 14:43
S37	312	(715/526).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/02/07 14:43
S38	540	(715/530).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/02/07 14:43
S39	1	"5655130".pn.	US-PGPUB; USPAT	OR	ON	2004/02/07 14:45
S40	18	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container) and ((reconcil$ or bind$) near2 component)	US-PGPUB; USPAT	OR	ON	2004/08/11 09:42
S41	15	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container) and ((reconcil$ or bind$) near2 (variable or field))	US-PGPUB; USPAT	OR	ON	2004/08/11 09:44
S42	10	((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and (component with container) and ((reconcil$ or bind$) near2 (variable or field or fieldname or value))	US-PGPUB; USPAT	OR	ON	2004/08/11 09:44

S43	95	(((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and container and ((connect$ or reconcil$ or bind$) near2 component)) not (((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container) and ((reconcil$ or bind$) near2 component)) ((((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and domain and component and container) and ((reconcil$ or bind$) near2 (variable or field))) (((document near2 assembl$) (document near2 generat$) (document near2 construct$)) and (component with container) and ((reconcil$ or bind$) near2 (variable or field or fieldname or value))) "zhou cheng".in. ("erickson charles".in. and ((document near2 assembl$) (document near2 generat$) (document near2 construct$))))	US-PGPUB; USPAT	OR	ON	2004/08/11 09:45
S44	817	((719/332) or (719/315)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 09:48
S45	281	(((719/332) or (719/315)).CCLS.) and document	US-PGPUB; USPAT	OR	OFF	2004/08/11 09:48
S46	22	(((719/332) or (719/315)).CCLS.) and ((assembl$ or generat$) near2 document)	US-PGPUB; USPAT	OR	OFF	2004/08/11 09:49
S47	1851	((715/501.1) or (715/526) or (715/530)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/11 09:49
S48	364	(((715/501.1) or (715/526) or (715/530)).CCLS.) and ((assembl$ or generat$) near2 document)	US-PGPUB; USPAT	OR	OFF	2004/08/11 09:49
S50	43	variable near2 (reconciliation or reconcile or reconciled or reconciling)	US-PGPUB; USPAT	OR	ON	2005/02/28 14:19
S51	14	S50 and document	US-PGPUB; USPAT	OR	ON	2005/03/02 10:51
S52	1	"5874593".pn.	US-PGPUB; USPAT	OR	ON	2005/03/02 10:52
S53	1	"5874953".pn.	US-PGPUB; USPAT	OR	ON	2005/03/02 11:00

S54	1	"20020073236".pn.	US-PGPUB; USPAT	OR	ON	2005/03/02 11:00
S55	5	("5655130" "5842018" "6209004" "6263379" "6405225" "6651108" "20010044813" "20020065849" "20030018481" "20030200504").pn. and domain	US-PGPUB; USPAT	OR	ON	2005/03/02 11:23
S56	40590	component with container	US-PGPUB; USPAT	OR	ON	2005/03/02 11:23
S57	781812	S56 same2 variable	US-PGPUB; USPAT	OR	ON	2005/03/02 11:24
S58	8224	S56 and variable	US-PGPUB; USPAT	OR	ON	2005/03/02 11:24
S59	29	S58 and (component near2 variable) and (container near2 variable)	US-PGPUB; USPAT	OR	ON	2005/03/02 11:42
S60	0	(match or matched or matching or map or mapped or mapping or associate or associated or associating) with ((component near2 variable) and (container near2 variable))	US-PGPUB; USPAT	OR	ON	2005/03/02 11:26
S61	1	(match or matched or matching or map or mapped or mapping or associate or associated or associating) same ((component near2 variable) and (container near2 variable))	US-PGPUB; USPAT	OR	ON	2005/03/02 11:27
S62	2316	(map or mapped or mapping) near2 variables	US-PGPUB; USPAT	OR	ON	2005/03/02 11:56
S63	121	S62 and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/02 11:43
S64	2	S63 and (component with container)	US-PGPUB; USPAT	OR	ON	2005/03/02 11:47
S65	14	S62 and (component with container)	US-PGPUB; USPAT	OR	ON	2005/03/02 11:47
S66	12	S65 not S64	US-PGPUB; USPAT	OR	ON	2005/03/02 11:47
S67	14	((map or mapped or mapping) near2 component) with container	US-PGPUB; USPAT	OR	ON	2005/03/02 11:56
S68	1	"6839714".pn.	US-PGPUB; USPAT	OR	ON	2005/03/02 12:01
S69	0	("6839714").URPN.	USPAT	OR	ON	2005/03/02 12:01
S70	7	("5297280" | "5897627" | "6161107" | "6334129" | "6374252" | "6578031" | "6618727").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/02 12:01

S71	718	(data or information) near4 (different adj database)	US-PGPUB; USPAT	OR	ON	2005/03/02 12:46
S72	53	S71 and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/02 13:37
S73	0	("2002/0085032").URPN.	USPAT	OR	ON	2005/03/02 12:48
S74	718	(data or information) near4 (different adj database)	US-PGPUB; USPAT	OR	ON	2005/03/02 13:37
S75	53	S74 and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/02 13:37
S76	14	("6279015").URPN.	USPAT	OR	ON	2005/03/02 13:50
S77	718	(data or information) near4 (different adj database)	US-PGPUB; USPAT	OR	ON	2005/03/02 14:14
S78	53	S77 and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/02 14:14
S79	34	S78 and (map or mapped or mapping)	US-PGPUB; USPAT	OR	ON	2005/03/02 14:27
S80	4	S78 and ((automatic or automatically) near2 (map or mapped or mapping))	US-PGPUB; USPAT	OR	ON	2005/03/02 14:29
S81	31	S77 and ((automatic or automatically) near2 (map or mapped or mapping))	US-PGPUB; USPAT	OR	ON	2005/03/02 14:29
S82	27	S81 not S80	US-PGPUB; USPAT	OR	ON	2005/03/02 15:08
S83	0	dodge.in. and "document assembly"	US-PGPUB; USPAT	OR	ON	2005/03/02 15:08
S84	2	dodge.in. and (document near2 assembl$)	US-PGPUB; USPAT	OR	ON	2005/03/02 15:09
S85	1517	dodge.in.	US-PGPUB; USPAT	OR	ON	2005/03/02 15:09
S86	7	S85 and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/02 15:09
S87	28	("5655130").URPN.	USPAT	OR	ON	2005/03/02 15:11
S88	10	("5655130").URPN. and (container or template) and component	USPAT	OR	ON	2005/03/02 15:11
S89	1930	document near2 assembl$	US-PGPUB; USPAT	OR	ON	2005/03/02 16:15
S90	9868	document near2 generat$	US-PGPUB; USPAT	OR	ON	2005/03/02 16:15
S91	2621	document near2 construct$	US-PGPUB; USPAT	OR	ON	2005/03/02 16:15
S92	13196	S89 or S90 or S91	US-PGPUB; USPAT	OR	ON	2005/03/02 16:15
S93	3	S92 and (variable near2 component) and (variable near2 container)	US-PGPUB; USPAT	OR	ON	2005/03/02 16:41

S94	29	S92 and ((map or mapped or mapping) with container with component)	US-PGPUB; USPAT	OR	ON	2005/03/02 17:17
S95	8	S92 and "domain concept"	US-PGPUB; USPAT	OR	ON	2005/03/02 17:16
S96	1	"6308178".pn.	US-PGPUB; USPAT	OR	ON	2005/03/02 17:03
S97	59	S92 and "domain model"	US-PGPUB; USPAT	OR	ON	2005/03/02 17:16
S98	42	S97 and (container with component)	US-PGPUB; USPAT	OR	ON	2005/03/02 17:17
S99	0	S97 and ((map or mapped or mapping) with container with component)	US-PGPUB; USPAT	OR	ON	2005/03/02 17:17
S10 0	1	"6778993".pn.	US-PGPUB; USPAT	OR	ON	2005/03/23 12:39
S10 1	40947	component with container	US-PGPUB; USPAT	OR	ON	2005/03/23 12:43
S10 2	236	(component with container) with variable	US-PGPUB; USPAT	OR	ON	2005/03/23 12:41
S10 3	1	S102 and "707"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/23 12:42
S10 4	495	S101 and ("707"/$ or "715"/$).ccls.	US-PGPUB; USPAT	OR	ON	2005/03/23 12:43
S10 5	45138	(component or variable) with container	US-PGPUB; USPAT	OR	ON	2005/03/23 12:43
S10 6	574	S105 and ("707"/$ or "715"/$).ccls.	US-PGPUB; USPAT	OR	ON	2005/03/23 12:44
S10 7	51	S105 with domain	US-PGPUB; USPAT	OR	ON	2005/03/23 12:44
S10 8	4	S107 and ("707"/$ or "715"/$).ccls.	US-PGPUB; USPAT	OR	ON	2005/03/23 16:24
S10 9	5	("5710917" "5926833" "6038565" "6041386" "6154748").pn.	US-PGPUB; USPAT	OR	ON	2005/03/23 16:05
S11 0	995	(object near2 database) and ((generate or generated or generating or generation or assemble or assembled or assembling or assembly) near2 (document or xml or html))	US-PGPUB; USPAT	OR	ON	2005/03/23 16:22
S11 1	13	S110 and ((map or mapped or mapping or reconcile or reconciled or reconciling or reconciliation) near2 variable)	US-PGPUB; USPAT	OR	ON	2005/03/23 16:22
S11 2	1	"6651108".pn.	US-PGPUB; USPAT	OR	ON	2005/03/23 16:14

S113	1	("6651108").URPN.	USPAT	OR	ON	2005/03/23 16:15
S114	23	("5297249" | "5519875" | "5600831" | "5623656" | "5652879" | "5655130" | "5732219" | "5742762" | "5761673" | "5905248" | "5930512" | "5956736" | "5974430" | "6061696" | "6076166" | "6101509" | "6112242" | "6163878" | "6182092" | "6230196" | "6249291" | "6253254" | "6336123").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/23 16:16
S115	568	(object near2 database) and ((generate or generated or generating or generation or assemble or assembled or assembling or assembly) near2 document)	US-PGPUB; USPAT	OR	ON	2005/03/23 16:22
S116	13	S115 and ((map or mapped or mapping or reconcile or reconciled or reconciling or reconciliation) near2 variable)	US-PGPUB; USPAT	OR	ON	2005/03/23 16:31
S117	0	S116 not S111	US-PGPUB; USPAT	OR	ON	2005/03/23 16:23
S118	49	S115 and ((map or mapped or mapping or reconcile or reconciled or reconciling or reconciliation) near2 component)	US-PGPUB; USPAT	OR	ON	2005/03/23 16:23
S119	19	S118 and ("707"/$ or "715"/$). ccls.	US-PGPUB; USPAT	OR	ON	2005/03/23 16:31
S120	82	S115 and (map or mapped or mapping or reconcile or reconciled or reconciling or reconciliation) same concept	US-PGPUB; USPAT	OR	ON	2005/03/23 16:31
S121	82	S115 and ((map or mapped or mapping or reconcile or reconciled or reconciling or reconciliation) same concept)	US-PGPUB; USPAT	OR	ON	2005/03/23 16:31
S122	38	S121 and ("707"/$ or "715"/$). ccls.	US-PGPUB; USPAT	OR	ON	2005/03/23 16:44
S123	53	S121 and persisten$	US-PGPUB; USPAT	OR	ON	2005/03/23 16:45
S124	34	S123 not S122	US-PGPUB; USPAT	OR	ON	2005/03/23 16:45
S125	2646	(automatic or automatically) near2 (map or mapped or mapping)	US-PGPUB; USPAT	OR	ON	2005/03/24 11:44
S126	26	S125 and (component with container)	US-PGPUB; USPAT	OR	ON	2005/03/24 11:57

S127	57	S125 and (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/24 15:34
S128	31	S127 and ("715"/$ or "707"/$). ccls.	US-PGPUB; USPAT	OR	ON	2005/03/24 11:46
S129	25	S128 not S126	US-PGPUB; USPAT	OR	ON	2005/03/24 11:58
S130	6	"domain concept" and (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/24 12:24
S131	24	(domain near2 concept) and (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/24 12:24
S132	18	S131 not S130	US-PGPUB; USPAT	OR	ON	2005/03/24 13:14
S133	1	"6629097".pn.	US-PGPUB; USPAT	OR	ON	2005/03/24 14:25
S134	27	"data binding" with xml	US-PGPUB; USPAT	OR	ON	2005/03/24 14:29
S135	33	"data binding" with html	US-PGPUB; USPAT	OR	ON	2005/03/24 14:37
S136	52	("5553282" "5659735" "5689585" "5752245" "5893914" "6226675" "20010052113" "6377956" "20020049788" "20020049749" "20020049603" "20020059566" "20020073236" "20020073080" "6415303" "20020103869" "20020103793" "20020116205" "20020120859" "6449627" "20020156773" "20020178044" "20020184071" "20030004971" "20030018511" "20030046282" "6542912" "20030069881" "20030101192" "20030131071" "20030154071" "20030158841" "6611847" "6611840" "20030182470" "6643652" "20030229529" "6701381" "6721747" "20040076941" "20040088600" "20040111302" "6754885" "20040133876" "20040181378" "20040249664" "6839701" "20050010454" "20050022115" "20050019740" "20050019739" "6850893").pn.	US-PGPUB; USPAT	OR	ON	2005/03/24 14:59

S137	1	"6834382".pn.	US-PGPUB; USPAT	OR	ON	2005/03/24 14:44
S138	16	"document model" and (component with container)	US-PGPUB; USPAT	OR	ON	2005/03/24 15:03
S139	72	"domain model" and (component with container)	US-PGPUB; USPAT	OR	ON	2005/03/24 15:04
S140	23	S139 and ("715"/$ or "707"/$).ccls.	US-PGPUB; USPAT	OR	ON	2005/03/24 15:35
S141	1475	synchroniz$ and (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/24 15:58
S142	113	(synchroniz$ with component) and (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/24 15:34
S143	29	S142 and ("715"/$ or "707"/$).ccls.	US-PGPUB; USPAT	OR	ON	2005/03/24 15:58
S144	1	"6629097".pn. and (map$ same concept)	US-PGPUB; USPAT	OR	ON	2005/03/24 15:55
S145	1	"6629097".pn. and (map$ same component)	US-PGPUB; USPAT	OR	ON	2005/03/24 15:56
S146	290	reconcil$ and (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/29 16:21
S147	58	S146 and ("715"/$ or "707"/$).ccls.	US-PGPUB; USPAT	OR	ON	2005/03/24 16:00
S148	4	(reconcil$ with component) and (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/24 16:00
S149	187	reconciliation and (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/24 16:00
S150	29	S149 and ("715"/$ or "707"/$).ccls.	US-PGPUB; USPAT	OR	ON	2005/03/24 16:01
S151	2	"hash table" same (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/29 15:22
S152	1	"6105044".pn.	US-PGPUB; USPAT	OR	ON	2005/03/29 15:23
S153	1	"20020099684".pn.	US-PGPUB; USPAT	OR	ON	2005/03/29 15:24

S15 4	265	collection near2 mappings	US-PGPUB; USPAT	OR	ON	2005/03/29 15:25
S15 5	21	S154 and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/29 15:28
S15 6	58	S154 and "707"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/29 15:28
S15 7	2	(gui or "graphical user interface") same (override or overridden or modify or modified or modifying or edit or edited or editing) same "hash table"	US-PGPUB; USPAT	OR	ON	2005/03/29 16:17
S15 8	150	(override or overridden or modify or modified or modifying or edit or edited or editing) with "hash table"	US-PGPUB; USPAT	OR	ON	2005/03/29 16:20
S15 9	8	S158 and "715"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/29 16:20
S16 0	2	S158 and "345"/$.ccls.	US-PGPUB; USPAT	OR	ON	2005/03/29 16:20
S16 1	3831	(override or overridden or modify or modified or modifying or edit or edited or editing) with mapping	US-PGPUB; USPAT	OR	ON	2005/03/29 16:21
S16 2	69	S161 and (document near2 (assemble or assembly or assembling or generate or generation or generating))	US-PGPUB; USPAT	OR	ON	2005/03/29 16:21
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1   Conference abstracts
January 1977 **Proceedings of the 5th annual ACM computer science conference**
Full text available: 📄 pdf(3.14 MB)   Additional Information: full citation, abstract, index terms

> One problem in computer program testing arises when errors are found and corrected after a portion of the tests have run properly. How can it be shown that a fix to one area of the code does not adversely affect the execution of another area? What is needed is a quantitative method for assuring that new program modifications do not introduce new errors into the code. This model considers the retest philosophy that every program instruction that could possibly be reached and tested from the ...

2   Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
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> Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3   Document Formatting Systems: Survey, Concepts, and Issues
Richard Furuta, Jeffrey Scofield, Alan Shaw
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3
Full text available: 📄 pdf(5.36 MB)   Additional Information: full citation, references, citings, index terms

4   Use of an on-line, time-shared graphics system to design and document printed circuit boards
Leonard Marks
June 1976 **Proceedings of the 13th conference on Design automation**
Full text available: 📄 pdf(1.44 MB)   Additional Information: full citation, abstract, references, citings, index terms

A very advanced computer aided design system was recently put into operation at Martin Marietta's Orlando Division. Its purpose was to provide engineering personnel with a powerful tool for significantly lowering the cost and schedule time required to design and document complex printed circuit boards. This paper describes how the system is utilized and interfaced with related automated activities.

5 Software reuse

Charles W. Krueger

June 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 2

Full text available: pdf(4.96 MB)   Additional Information: full citation, abstract, references, citings, index terms

Software reuse is the process of creating software systems from existing software rather than building software systems from scratch. This simple yet powerful vision was introduced in 1968. Software reuse has, however, failed to become a standard software engineering practice. In an attempt to understand why, researchers have renewed their interest in software reuse and in the obstacles to implementing it. This paper surveys the different approaches to software reuse found in the ...

Keywords: abstraction, cognitive distance, software reuse

6 Special issue: AI in engineering

D. Sriram, R. Joobbani

April 1985 **ACM SIGART Bulletin**, Issue 92

Full text available: pdf(8.79 MB)   Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

7 Information access and retrieval (IAR): Geographical information recognition and visualization in texts written in various languages

Bruno Pouliquen, Ralf Steinberger, Camelia Ignat, Tom De Groeve

March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**

Full text available: pdf(412.68 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we describe a system that recognises place names in natural language text and produces geographic maps and animations showing the geographical coverage of texts about a certain subject as it changes over time. As the system is built to analyse texts in many different languages, it restricts the usage of linguistic analysis tools to the minimum. Instead, it relies on a gazetteer containing place names in different languages and uses heuristics for disambiguation purposes.

Keywords: GIS, data mining, named entity recognition, natural language processing, place name recognition

8 Verifying Security

Maureen Harris Cheheyl, Morrie Gasser, George A. Huff, Jonathan K. Millen

September 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 3

Full text available: pdf(4.68 MB)   Additional Information: full citation, references, citings, index terms

9 Types and persistence in database programming languages
Malcolm P. Atkinson, O. Peter Buneman
June 1987 **ACM Computing Surveys (CSUR)**, Volume 19 Issue 2

Full text available: pdf(7.91 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Traditionally, the interface between a programming language and a database has either been through a set of relatively low-level subroutine calls, or it has required some form of embedding of one language in another. Recently, the necessity of integrating database and programming language techniques has received some long-overdue recognition. In response, a number of attempts have been made to construct programming languages with completely integrated database management systems. These lang ...

10 Cg: a system for programming graphics hardware in a C-like language
William R. Mark, R. Steven Glanville, Kurt Akeley, Mark J. Kilgard
July 2003 **ACM Transactions on Graphics (TOG)**, Volume 22 Issue 3

Full text available: pdf(2.57 MB)   Additional Information: full citation, abstract, references, citings, index terms

The latest real-time graphics architectures include programmable floating-point vertex and fragment processors, with support for data-dependent control flow in the vertex processor. We present a programming language and a supporting system that are designed for programming these stream processors. The language follows the philosophy of C, in that it is a hardware-oriented, general-purpose language, rather than an application-specific shading language. The language includes a variety of facilitie ...

11 Geographic Data Processing
George Nagy, Sharad Wagle
June 1979 **ACM Computing Surveys (CSUR)**, Volume 11 Issue 2

Full text available: pdf(4.20 MB)   Additional Information: full citation, references, citings, index terms

12 Interactive Editing Systems: Part II
Norman Meyrowitz, Andries van Dam
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Full text available: pdf(9.17 MB)   Additional Information: full citation, references, citings, index terms

13 Proceedings of the SIGNUM conference on the programming environment for development of numerical software
March 1979 **ACM SIGNUM Newsletter**, Volume 14 Issue 1

Full text available: pdf(5.02 MB)   Additional Information: full citation

14 Streams, structures, spaces, scenarios, societies (5s): A formal model for digital libraries
Marcos André Gonçalves, Edward A. Fox, Layne T. Watson, Neill A. Kipp
April 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 2

Full text available: pdf(316.85 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Digital libraries (DLs) are complex information systems and therefore demand formal foundations lest development efforts diverge and interoperability suffers. In this article, we

propose the fundamental abstractions of Streams, Structures, Spaces, Scenarios, and Societies (5S), which allow us to define digital libraries rigorously and usefully. Streams are sequences of arbitrary items used to describe both static and dynamic (e.g., video) content. Structures can be viewed as labeled directed gra ...

Keywords: applications., definitions, foundations, taxonomy

15 The computer assisted software engineering (CASE) system
William Scott Amey
September 1979 **Proceedings of the 4th international conference on Software engineering**
Full text available: pdf(398.18 KB)   Additional Information: full citation, abstract, index terms

The CASE system provides a comprehensive software development tool that aids engineers, designers, programmers, and managers. The CASE system guides its users through the tasks of documentation, design, coding, testing, configuration control, and status analysis.

16 Model-based object recognition in dense-range images—a review
Farshid Arman, J. K. Aggarwal
March 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 1

Full text available: pdf(3.42 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

The goal in computer vision systems is to analyze data collected from the environment and derive an interpretation to complete a specified task. Vision system tasks may be divided into data acquisition, low-level processing, representation, model construction, and matching subtasks. This paper presents a comprehensive survey of model-based vision systems using dense-range images. A comprehensive survey of the recent publications in each subtask pertaining to dense-range image object recogni ...

Keywords: 3D object recognition, 3D representations, CAD-based vision, dense-range images, image understanding

17 A process for consolidating and reusing design knowledge
Guillermo Arango, Eric Schoen, Robert Pettengill
May 1993 **Proceedings of the 15th international conference on Software Engineering**
Full text available: pdf(1.12 MB)   Additional Information: full citation, references, citings

18 Communication needs in computer modeling
Hubert Lipinski, Roy Amara, Kathleen Spangler
January 1978 **Proceedings of the 10th conference on Winter simulation - Volume 1**
Full text available: pdf(1.12 MB)   Additional Information: full citation, abstract, references, citings, index terms

With the development of computer-based group communication media, the computer may play an increasing role in managing the complexities of the modeling process. Large-scale policy models are usually developed by groups of five to seven people. Frequently, some of these model builders work in different locations around the country; they nearly always come from at least two or three different disciplinary backgrounds. The users of their models typically come from different organizations, with ...

19
An experimental laboratory for pattern recognition and signal processing

N. M. Herbst, P. M. Will
April 1972 **Communications of the ACM**, Volume 15 Issue 4
Full text available: 🔲 pdf(2.02 MB)   Additional Information: full citation, abstract, references

5/10

An interactive computer-controlled scanning and display system has been in operation at the IBM Thomas J. Watson Research Center for three years. The system includes two flying-spot scanners and a TV camera specially interfaced to a process control digital computer, dot-mode and vector displays, analog input and output facilities, and a variety of other experimental equipment. The system design and programming support are described and typical applications in scanner control, optical charac ...

Keywords: image processing, interactive terminal, pattern recognition, pseudorandom displays, scanners

20 Interactive visualization of aircraft and power generation engines
Lisa Sobierajski Avila, William Schroeder
October 1997 **Proceedings of the 8th conference on Visualization '97**

Full text available: 🔲 pdf(674.77 KB)
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1   Contigra: an XML-based architecture for component-oriented 3D applications   ▦
Raimund Dachselt, Michael Hinz, Klaus Meißner
February 2002 **Proceeding of the seventh international conference on 3D Web technology**

Full text available: 📄 pdf(368.21 KB)   Additional Information: full citation, abstract, references, citings, index terms

Even though numerous Web3D technologies exist, most of them do not support a high-level, multi-disciplinary authoring process. Moreover, concepts of reuse are rarely provided. A component-based approach is introduced with the CONTIGRA architecture to construct interactive, three-dimensional applications, either stand-alone or web-based. The approach is entirely based on declarative XML documents describing the component implementation, its interface, as well as component configuration and compo ...

Keywords: 3D components, 3D user interfaces, 3D widgets, XML schema, component-based development, contigra, extensible 3D (X3D), virtual environments

2   Vertex-based anisotropic texturing   ▤
Marc Olano, Shrijeet Mukherjee, Angus Dorbie
August 2001 **Proceedings of the ACM SIGGRAPH/EUROGRAPHICS workshop on Graphics hardware**

Full text available: 📄 pdf(2.07 MB)   Additional Information: full citation, abstract, references, index terms

MIP mapping is a common method used by graphics hardware to avoid texture aliasing. In many situations, MIP mapping over-blurs in one direction to prevent aliasing in another. Anisotropic texturing reduces this blurring by allowing differing degrees of filtering in different directions, but is not as common in hardware due to the implementation complexity of current techniques. We present a new algorithm that enables anisotropic texturing on any current MIP map graphics hardware supporting MI ...

Keywords: anisotropic texturing, footprint assembly, graphics hardware, interactive rendering, multipass rendering

3   Document Formatting Systems: Survey, Concepts, and Issues   ▤
Richard Furuta, Jeffrey Scofield, Alan Shaw
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Full text available: ▓ pdf(5.36 MB)   Additional Information: full citation, references, citings, index terms

7/10

4 Special system-oriented section: the best of SIGMOD '94: QuickStore: a high performance mapped object store
Seth J. White, David J. DeWitt
October 1995 **The VLDB Journal — The International Journal on Very Large Data Bases**,
Volume 4 Issue 4
Full text available: ▓ pdf(2.58 MB)   Additional Information: full citation, abstract, references, citings

QuickStore is a memory-mapped storage system for persistent C++, built on top of the EXODUS Storage Manager. QuickStore provides fast access to in-memory objects by allowing application programs to access objects via normal virtual memory pointers. This article presents the results of a detailed performance study using the OO7 benchmark. The study compares the performance of QuickStore with the latest implementation of the E programming language. The QuickStore and E systems exemplify the two ba ...

Keywords: benchmark, client-server, memory-mapped, object-oriented, performance, pointer swizzling

5 Computing curricula 2001
September 2001 **Journal on Educational Resources in Computing (JERIC)**
Full text available: ▓ pdf(613.63 KB)
              ▓ html(2.78 KB)   Additional Information: full citation, references, citings, index terms

6 Interactive information retrieval systems: from user centered interface design to software design
P. Mulhem, L. Nigay
August 1996 **Proceedings of the 19th annual international ACM SIGIR conference on Research and development in information retrieval**
Full text available: ▓ pdf(1.48 MB)   Additional Information: full citation, references, citings, index terms

7 Manufacturing applications: Role of simulation in industries: the definition and potential role of simulation within an aerospace company
Craig A. Murphy, Terrence D. Perera
December 2001 **Proceedings of the 33nd conference on Winter simulation**
Full text available: ▓ pdf(295.43 KB)   Additional Information: full citation, abstract, references, index terms

Simulation software has reached a technological level that provides high flexibility and integration capabilities necessary for product design, development and manufacturing efficiency. Within the manufacturing industry, this simulation potential has not been fully recognized, although it is now becoming a matter of interest through the documented benefits it has provided. This paper discusses the issues of simulation definition, selection and integration with both business systems and each othe ...

8 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Full text available: ▓ pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

9 Special issue: AI in engineering
D. Sriram, R. Joobbani
April 1985 **ACM SIGART Bulletin**, Issue 92

Full text available: pdf(8.79 MB)   Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

10 Interactive Editing Systems: Part II
Norman Meyrowitz, Andries van Dam
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Full text available: pdf(9.17 MB)   Additional Information: full citation, references, citings, index terms

11 An issue-oriented approach to judicial document assembly
L. Karl Branting
August 1993 **Proceedings of the 4th international conference on Artificial intelligence and law**

Full text available: pdf(749.95 KB)   Additional Information: full citation, references, citings, index terms

12 Petri-net-based hypertext: document structure with browsing semantics
P. David Stotts, Richard Furuta
January 1989 **ACM Transactions on Information Systems (TOIS)**, Volume 7 Issue 1

Full text available: pdf(2.19 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

We present a formal definition of the Trellis model of hypertext and describe an authoring and browsing prototype called &agr;Trellis that is based on the model. The Trellis model not only represents the relationships that tie individual pieces of information together into a document (i.e., the adjacencies), but specifies the browsing semantics to be associated with the hypertext as well (i.e., the manner in which the information is to be visited and presented). The model is based on Petri ...

13 A minicomputer based Interactive Graphics System as used for electronic design and automation
Philippe Villers
June 1978 **Proceedings of the 15th conference on Design automation**

Full text available: pdf(836.30 KB)   Additional Information: full citation, abstract, citings, index terms

Described in this paper is the use of a commercially available Interactive Graphics System for electronic design, drafting and documentation. The system is used starting from a rough schematic and ending with a tested, manufactured printed circuit board. Discussed in the paper are major aspects and quantitative results obtained in a range of computer aided tasks. These range from initial P.C. design and prototyping to final production,

documentation and testing as performed in a ...

14 Status report of the graphic standards planning committee
Computer Graphics staff
August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3

Full text available: pdf(15.01 MB)   Additional Information: full citation, references, citings

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15 QuickStore: a high performance mapped object store
Seth J. White, David J. DeWitt
May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international
conference on Management of data**, Volume 23 Issue 2

Full text available: pdf(1.73 MB)   Additional Information: full citation, abstract, references, citings, index
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This paper presents, QuickStore, a memory-mapped storage system for persistent C++
built on top of the EXODUS Storage Manager. QuickStore provides fast access to in-memory
objects by allowing application programs to access objects via normal virtual memory
pointers. The paper also presents the results of a detailed performance study using the OO7
benchmark. The study compares the performance of QuickStore with the latest
implementation of the E programming language. These systems exemplify ...

16 XAS: a system for accessing componentized, virtual XML documents
Ming-Ling Lo, Shyh-Kwei Chen, Sriram Padmanabhan, Jen-Yao Chung
July 2001 **Proceedings of the 23rd International Conference on Software Engineering**

Full text available: pdf(143.39 KB)   Additional Information: full citation, abstract, references, citings, index
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*XML is emerging as an important format for describing the schema of documents and data
to facilitate integration of applications in a variety of industry domains. An important issue
that naturally arises is the requirement to generate, store and access XML documents.*

*It is important to reuse existing data management systems and repositories for this
purpose. In this paper, we describe the XML Access Server (XAS), a general purpose XML
based storage and retrieval system which ...*

17 Software reuse
Charles W. Krueger
June 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 2

Full text available: pdf(4.96 MB)   Additional Information: full citation, abstract, references, citings, index
terms

Software reuse is the process of creating software systems from existing software rather
than building software systems from scratch. This simple yet powerful vision was introduced
in 1968. Software reuse has, however, failed to become a standard software engineering
practice. In an attempt to understand why, researchers have renewed their interest in
software reuse and in the obstacles to implementing it. This paper surveys the different
approaches to software reuse found in the ...

Keywords: abstraction, cognitive distance, software reuse

18 Interactive multi-pass programmable shading
Mark S. Peercy, Marc Olano, John Airey, P. Jeffrey Ungar

July 2000 **Proceedings of the 27th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(5.99 MB)   Additional Information: full citation, abstract, references, citings, index terms

Programmable shading is a common technique for production animation, but interactive programmable shading is not yet widely available. We support interactive programmable shading on virtually any 3D graphics hardware using a scene graph library on top of OpenGL. We treat the OpenGL architecture as a general SIMD computer, and translate the high-level shading description into OpenGL rendering passes. While our system uses OpenGL, the techniques described are applicable to any retained mode i ...

Keywords: OpenGL, graphics hardware, graphics systems, illumination, interactive rendering, languages, multi-pass rendering, non-realistic rendering, procedural shading, programmable shading, rendering, texture mapping, texture synthesis

19 Integrated computer aided design, documentation and manufacturing system for PCB electronics

Mikko Tervonen, Hannu Lehikoinen, Timo Mukari

June 1983 **Proceedings of the 20th conference on Design automation**

Full text available: pdf(648.79 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes an integrated computer aided design, documentation and manufacturing system, which assures data integrity from physical design to manufacturing with the aid of one phase data input and integrated parts data base. Unique features of the system are comprehensive documentation support for PCB electronics, one-phase user friendly data input, intensive input data checking, support for part and document numbering and PCB numbering, user definable document formats and language ...

20 DDD papers: Software factories: assembling applications with patterns, models, frameworks and tools

Jack Greenfield, Keith Short

October 2003 **Companion of the 18th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**

Full text available: pdf(707.51 KB)   Additional Information: full citation, abstract, references, citings, index terms

The confluence of component based development, model driven development and software product lines forms an approach to application development based on the concept of software factories. This approach promises greater gains in productivity and predictability than those produced by incremental improvements to the current paradigm of object orientation, which have not kept pace with innovation in platform technology. Software factories promise to make application assembly more cost effective thro ...

Keywords: design patterns, domain-specific languages, model-driven development, software factories, software product lines

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